

LISTING OF CLAIMS

Claims 1 and 2 have been canceled.

3. (Currently Amended) The method of claim 2 in which A method for brightening virgin mechanical pulp; said method comprising combining: (i) an aqueous solution comprising sodium borohydride and sodium hydroxide; and (ii) an aqueous solution comprising sodium bisulfite, in a chemical mixer and adding output of the chemical mixer to an aqueous slurry of virgin mechanical pulp; wherein a ratio of (moles bisulfite - moles hydroxide)/moles borohydride is from 4 to 7.5, and the output of the chemical mixer is added to the pulp slurry within 12 hours of mixing.
4. (Original) The method of claim 3 in which said ratio is from 5 to 7.
5. (Original) The method of claim 4 in which the output of the chemical mixer is added to the pulp slurry within 3 hours of mixing.
6. (Previously Presented) The method of claim 5 in which the chemical mixer is an in-line static mixer, and the output of the chemical mixer is substantially homogeneous prior to addition to the pulp slurry.
7. (Previously Presented) The method of claim 6 in which a ratio of sodium borohydride to pulp is from 0.015 weight % to 0.12 weight %, and said aqueous solution comprising sodium borohydride and sodium hydroxide comprises about 1.2% sodium borohydride and about 40% sodium hydroxide.
8. (Currently Amended) The method of claim [[1]] 3 further comprising addition of at least one chelant to the pulp slurry.

Claim 9 has been canceled.

10. (Original) The method of claim [[9]] 8 in which the output of the chemical mixer is added to the pulp slurry within 3 hours of mixing.